IN THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 6, with the following amended paragraph:

The present invention is related to the inventions described in U.S. Patent ~~Applications Attorney Docket Nos. Kramer 7-20~~ Application Serial No. 10/085,219 entitled "Processor With Dynamic Table-Based Scheduling Using Linked Transmission Elements For Handling Transmission Request Collisions," ~~Kramer 8-21-9~~ U.S. Patent Application Serial No. 10/085,223 entitled "Processor With Dynamic Table-Based Scheduling Using Multi-Entry Table Locations For Handling Transmission Request Collisions," and ~~Kramer 9-22~~ U.S. Patent Application Serial No. 10/085,222 entitled "Processor With Table-Based Scheduling and Software-Controlled Interval Computation," all filed concurrently herewith and hereby incorporated by reference herein.

Please replace the paragraph beginning at page 12, line 7, with the following amended paragraph:

FIG. 6 shows an example of the n-level hierarchy in which $n = 2$. More particularly, there is a first level in the hierarchy which includes a queue denoted as Queue X. This queue may be viewed as a group of transmission ~~element~~ elements which has a number of constituent transmission elements denoted Queue 1, Queue 2, . . . Queue M. These constituent transmission elements are associated with the second level of the two-level hierarchy in FIG. 6. Queue X need not correspond to a physical queue of the processor, but may instead be viewed as a virtual queue which is used to facilitate the scheduling of its constituent transmission elements.